

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

1-6. (Canceled)

7. (New) A method for automatically initiating an emergency braking sequence, comprising:

performing a preliminary warning braking in a motor vehicle;
determining an achievable vehicle deceleration during the preliminary warning braking; and
varying a time of initiating an emergency braking as a function of the determined achievable vehicle deceleration.

8. (New) The method as recited in Claim 7, further comprising:
decelerating at least one wheel of the motor vehicle to a slip limit during the preliminary warning braking.

9. (New) The method as recited in Claim 7, further comprising:
increasing a braking force during the preliminary warning braking until one of at least one wheel reaches a slip limit and one of the braking force and a correlated state variable attains a defined maximum value; and
when a maximum value is attained without a wheel having reached the slip limit, using a high estimated value of the attainable vehicle deceleration as a basis.

10. (New) The method as recited in Claim 7, wherein:
the attainable vehicle deceleration is represented by a parameter that indicates a coefficient of friction between a roadway and tires.

11. (New) The method as recited in Claim 10, further comprising:
determining the coefficient of friction during preliminary warning braking; and
controlling, in accordance with the determined coefficient of friction, a braking pressure buildup when initiating the emergency braking.
- 12 (New) A control unit, comprising:
a situation analyzer unit for determining a point in time for initiating a warning braking and a later, provisional point in time of initiating an emergency braking on the basis of a measured distance to an obstacle and a measured relative velocity of this obstacle, as well as on the basis of a provisional value of a vehicle deceleration; and
an ABS/ESP control unit for modulating a braking pressure as a function of a slip condition of a braked wheel while computing a coefficient of friction of a roadway, the coefficient of friction being determined during the warning braking, the ABS/ESP control unit reporting the determined coefficient of friction to the situation analyzer unit, wherein:
the situation analyzer unit corrects the provisional point in time of initiating an emergency braking on the basis of the vehicle deceleration as given by the determined coefficient of friction.